

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Currently Amended) The method of ~~claim 1~~ claim 62, further comprising:
determining whether the ~~selected~~ electronic information is accessible to the ~~one or more~~
~~first~~ access requestors from the ~~second~~ storage medium,
wherein the ~~first~~ access requestors are provided with access to the ~~selected~~ electronic
information from the ~~data source~~ ~~first storage medium~~ only if the ~~selected~~ electronic information
is not accessible to the ~~first~~ access requestors from the ~~second~~ storage medium.
3. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein the ~~second~~ storage
medium is more geographically proximate to the ~~one or more~~ ~~first~~ access requestors than the ~~data~~
~~source~~ ~~first storage medium~~ such that the ~~duplicating storing~~ includes ~~duplicating storing~~ the
~~selected~~ electronic information on a medium that is more geographically proximate to the ~~first~~
access requestors than the ~~data source~~ ~~first storage medium~~.
4. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein the ~~second~~ storage
medium is more electronically proximate to the ~~one or more~~ ~~first~~ access requestors than the ~~data~~
~~source~~ ~~first storage medium~~ such that the ~~duplicating storing~~ includes ~~duplicating storing~~ the
~~selected~~ electronic information on a medium that is more electronically proximate to the ~~first~~
access requestors than the ~~data source~~ ~~first storage medium~~.
5. (Canceled)

6. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein the ~~data source first storage medium~~ resides on a central server and the ~~second~~ storage medium resides on a distributed server such that the ~~duplicating storing~~ includes duplicating the ~~selected~~ electronic information from the central server to the distributed server.
7. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein the ~~demand is anticipated anticipating includes anticipating the future request for access to the selected electronic information based on at least one of past and current requests for access to the same or related electronic information by more than one second access requestor, who may or may not be different than the one or more first the access requestors.~~
8. (Canceled)
9. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein the ~~demand is anticipated anticipating includes anticipating the future request for access to the selected electronic information based on at least one of current and past requests for access to related electronic non-electronic information by more than one second access requestor, who may or may not be different than the one or more first the access requestors.~~
10. (Canceled)
11. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein ~~anticipating the demand of the access requestors for access to the electronic information anticipating the future request for access to the selected electronic information includes measuring a number of requests for the selected electronic information for which access is requested, and comparing the number of requests to a threshold.~~
12. (Currently Amended) The method of ~~claim 1~~ claim 62 wherein ~~anticipating the demand of the access requestors for access to the electronic information anticipating the future request for~~

access to electronic information includes measuring a frequency of requests for access to the selected electronic information.

13. (Currently Amended) The method of claim 12 wherein the size of the electronic information is a file size of the electronic information and the anticipated demand for the electronic information is based on the frequency of requests for the electronic information. anticipating the future request for access to the selected electronic information further comprises:
- ~~determining a file size of the selected electronic information;~~
- ~~assigning a cache value to the selected electronic information based on the file size and the frequency of requests for the selected electronic information; and~~
- ~~anticipating future requests for access to the selected electronic information based on the cache value of the selected electronic information.~~

14-16. (Canceled)

17. (Currently Amended) The system of ~~claim 16~~ claim 67, further comprising:
- an accessibility determination software module that determines whether the selected electronic information is accessible to the ~~one or more~~ first access requestors from the ~~second~~ storage medium and provides access to the electronic information from the data source only if the electronic information is not accessible to the access requestors from the storage medium.,
- ~~wherein the selected information on the first storage medium is accessed by the electronic information reader and duplicated by the electronic information copier only if the selected electronic information is not accessible to the first access requestors from the second storage medium.~~

18. (Currently Amended) The system of ~~claim 16~~ claim 67 wherein the second storage medium is more geographically proximate to the ~~one or more~~ first access requestors than the data source ~~first~~ storage medium.

19. (Currently Amended) The system of ~~claim 16~~ claim 67 wherein the ~~second~~ storage medium is more electronically proximate to the ~~one or more~~ first access requestors than the data source ~~first storage medium~~.

20. (Canceled)

21. (Currently Amended) The system of ~~claim 16~~ claim 67 wherein the data source ~~first storage medium~~ resides on a central server and the ~~second~~ storage medium resides on a distributed server.

22. (Currently Amended) The system of ~~claim 16~~ claim 67 wherein the anticipating software module ~~anticipating module~~ is structured and arranged to determine the anticipated demand for anticipating the future request for access to the selected electronic information based on at least one of past and current requests for access to the same ~~or related~~ electronic information by ~~more than one second access requestor, who may or may not be different than the one or more~~ the first access requestors.

23. (Canceled)

24. (Currently Amended) The system of ~~claim 16~~ claim 67 wherein the anticipating software module ~~anticipating module~~ is structured and arranged to determine the anticipated demand for anticipating the future request for access to the selected electronic information based on at least one of past and current requests for access to related electronic non-electronic information by ~~more than one second access requestor, who may or may not be different than the one or more~~ the access requestors.

25. (Canceled)

26. (Currently Amended) The system of ~~claim 16~~ claim 67 wherein the anticipating software module anticipating module is structured and arranged to measure a frequency of requests for access to the selected electronic information.

27. (Currently Amended) The system of claim 26 wherein the determination software module anticipating module includes:

a determining size module that determines a file size of the selected electronic information; and

an assigning module that assigns a cache value to the selected electronic information based on the file size and the ~~frequency of requests for the selected electronic information anticipated demand, information;~~ and

wherein the determination software module determines to store the electronic information an anticipating module that anticipates the future request for access to the selected electronic information based on the cache value of the selected electronic information.

28-30. (Canceled)

31. (Currently Amended) The computer readable medium of ~~claim 30~~ claim 71, further comprising:

a determining a gating code segment for determining whether the selected electronic information is accessible to the ~~one or more~~ first access requestors from the ~~second~~ storage medium and for providing access to the electronic information at the data source only if the electronic information is not accessible to the access requestors from the storage medium. ;

wherein the selected electronic information on the first storage medium is accessed by the second code segment and duplicated by the third code segment only if the selected electronic information is not accessible to the first access requestors from the second storage medium.

32. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the ~~second~~ storage medium is more geographically proximate to the ~~one or more~~ first access requestors than the data source ~~first storage medium~~.

33. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the ~~second~~ storage medium is more electronically proximate to the ~~one or more~~ first access requestors than the data source ~~first storage medium~~.

34. (Canceled)

35. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the data source ~~first storage medium~~ resides on a central server and the ~~second~~ storage medium resides on a distributed server.

36. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the ~~first second~~ code segment is structured and arranged for determining the anticipated demand ~~anticipating the future request for access to the selected electronic information based on at least one of past and current requests for access to the same or related electronic information by more than one second access requestor, who may or may not be different than the one or more first the~~ access requestors.

37. (Canceled)

38. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the ~~first second~~ code segment is structured and arranged for determining the anticipated demand ~~anticipating the future request for access to the selected electronic information based on at least one of past and current requests for access to related electronic non-electronic information by more than one second access requestor, who may or may not be different than the one or more first the~~ access requestors.

39. (Canceled)

40. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the ~~first second~~ code segment is structured and arranged to measure a frequency of requests for access to the ~~selected~~ electronic information.

41. (Currently Amended) The computer program of ~~claim 71~~ 40 wherein the ~~first third~~ code segment further comprises:

a ~~determining sizing~~ code segment that determines a file size of the ~~selected~~ electronic information; and

an assigning code segment that assigns a cache value to the ~~selected~~ electronic information based on the file size and the ~~frequency of requests for the selected electronic anticipated demand, information; and~~

wherein the third code segment determines to store the electronic information an anticipating code segment that anticipates the future request for access to the selected electronic information based on the cache value of the selected electronic information.

42. (Currently Amended) The computer program of ~~claim 30~~ claim 71 wherein the ~~first second~~ code segment is structured and arranged to measure a number of requests for access to the ~~selected~~ electronic information ~~for which access is requested and comparing and to compare~~ the number of requests to a threshold.

43-52. (Canceled)

53. (Currently Amended) The method of ~~claim 52~~ claim 75, further comprising:
determining whether the ~~selected~~ electronic information is accessible to the ~~one or more~~ first access requestors from the ~~second~~ storage medium,

wherein the first access requestors are provided with access to the ~~selected~~ electronic information from the data source ~~first storage medium~~ only if the ~~selected~~ electronic information is not accessible to the first access requestors from the ~~second~~ storage medium.

54. (Currently Amended) The method of ~~claim 52~~ claim 75 wherein the ~~second~~ storage medium is more geographically proximate to the ~~one or more~~ first access requestors than the data source ~~first storage medium~~ such that the duplicating includes duplicating the ~~selected~~ electronic information on a medium that is more geographically proximate to the first access requestors than the data source ~~first storage medium~~.

55. (Currently Amended) The method of ~~claim 52~~ claim 75 wherein the ~~second~~ storage medium is more electronically proximate to the ~~one or more~~ first access requestors than the data source ~~first storage medium~~ such that the duplicating includes duplicating the ~~selected~~ electronic information on a medium that is more electronically proximate to the first access requestors than the data source ~~first storage medium~~.

56. (Currently Amended) The method of ~~claim 52~~ claim 75 wherein the ~~second~~ storage medium provides faster completion of an access request than the data source ~~first storage medium~~ such that the providing includes providing faster access to the ~~selected~~ electronic information by the ~~one or more~~ first access requestors.

57. (Currently Amended) The method of ~~claim 52~~ claim 75 wherein the ~~demand is further anticipated anticipating includes anticipating the future request for access to the selected electronic information~~ based on past requests for access to the ~~same or related other~~ electronic information by a plurality of second access requestors, who ~~are may be~~ different than the ~~one or more~~ first access requestors.

58-60. (Canceled)

61. (Currently Amended) The method of ~~claim 52~~ claim 75 wherein the demand is further anticipated future request for the selected electronic information is anticipated based on criteria unrelated to past access requests for the electronic information.

62. (New) A method for making electronic information more readily available to one or more access requestors, the method comprising:

identifying for transport electronic information stored at a data source;

transporting the identified electronic information from the data source to a requesting access requestor;

anticipating a demand of the access requestors for access to the electronic information based at least on information that is not particular to any single access requestor;

determining, based on a size of the electronic information and the anticipated demand, to store the already identified and transported electronic information on a storage medium that is more accessible to the access requestors than the data source; and

storing the transported electronic information on the storage medium.

63. (New) The method of claim 62 wherein the electronic information is identified for transport based on a request of the requesting access requestor to access the electronic information.

64. (New) The method of claim 62 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is common to multiple access requestors.

65. (New) The method of claim 62 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is retrieved from several access requestors.

66. (New) The method of claim 62 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is related to none of the access requestors.

67. (New) A system for making electronic information more readily available to one or more first access requestors, the system comprising:

an identification software module that identifies for transport electronic information stored at a data source;

a transport software module that transports the electronic information from the data source to a requesting first access requestor;

an anticipating software module that anticipates a demand of the first access requestors for access to the electronic information based at least on information that is not particular to any single first access requestor;

a determination software module that determines, based on a size of the electronic information and the anticipated demand, to store the already identified and transported electronic information on a storage medium that provides the first access requestors with more efficient access to the electronic information than the data source; and

a storage module that stores the transported electronic information on the storage medium.

68. (New) The system of claim 67 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is common to multiple access requestors.

69. (New) The system of claim 67 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is retrieved from several access requestors.

70. (New) The system of claim 67 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is related to none of the access requestors.

71. (New) A computer readable medium having embodied thereon a computer program for processing by a computer, the computer program comprising:

a first code segment for transporting electronic information stored at a data source based on a request of at least one access requestor to access the electronic information;

a second code segment for anticipating a demand of the access requestors for access to the electronic information based at least on information that is not particular to any single access requestor;

a third code segment for determining, based on a size of the electronic information and the anticipated demand, to store the already identified and transported electronic information on a storage medium that is more accessible to the access requestors than the data source; and

a fourth code segment for storing the transported electronic information on the storage medium.

72. (New) The computer program of claim 71 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is common to multiple access requestors.

73. (New) The computer program of claim 71 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is retrieved from several access requestors.

74. (New) The computer program of claim 71 wherein anticipating the demand based at least on information that is not particular to any single access requestor comprises anticipating the demand based on information that is related to none of the access requestors.

75. (New) A method for making electronic information more readily available to one or more first access requestors based on an anticipated demand for the electronic information, the method comprising:

anticipating a demand of the access requestors for access to the electronic information based at least on non-electronic information related to the electronic information;

determining to duplicate electronic information from a data source to a storage medium that is more accessible to the first access requestors based on a size of the electronic information and on the anticipated demand;

accessing the electronic information stored on the data source; and

duplicating the electronic information to the storage medium.

76. (New) The method of claim 75 wherein the non-electronic information is indicative of a popularity of a topic associated with the electronic information.

77. (New) The method of claim 76 wherein the popularity is the popularity for a class of access requestors.

78. (New) The method of claim 75 wherein the non-electronic information is indicative of past requests for information similar to the electronic information.

79. (New) The method of claim 78 wherein the past requests for information are past requests of a class of access requestors.

80. (New) The method of claim 79 wherein the class of access requestors comprises the first access requestors.

Applicant : Brian Sullivan et al.
Serial No. : 09/750,027
Filed : December 29, 2000
Page : 15 of 16

Attorney's Docket No.: 06975-079001 / Network 03

81. (New) The method of claim 62 wherein the access requestors comprise a class of access requestors.

82. (New) The system of claim 67 wherein the access requestors comprise a class of access requestors.

83. (New) The computer program of claim 71 wherein the access requestors comprise a class of access requestors.